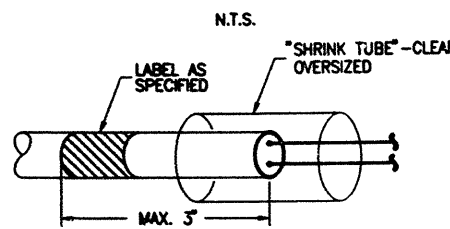


TYPICAL CABLE LABELING METHOD

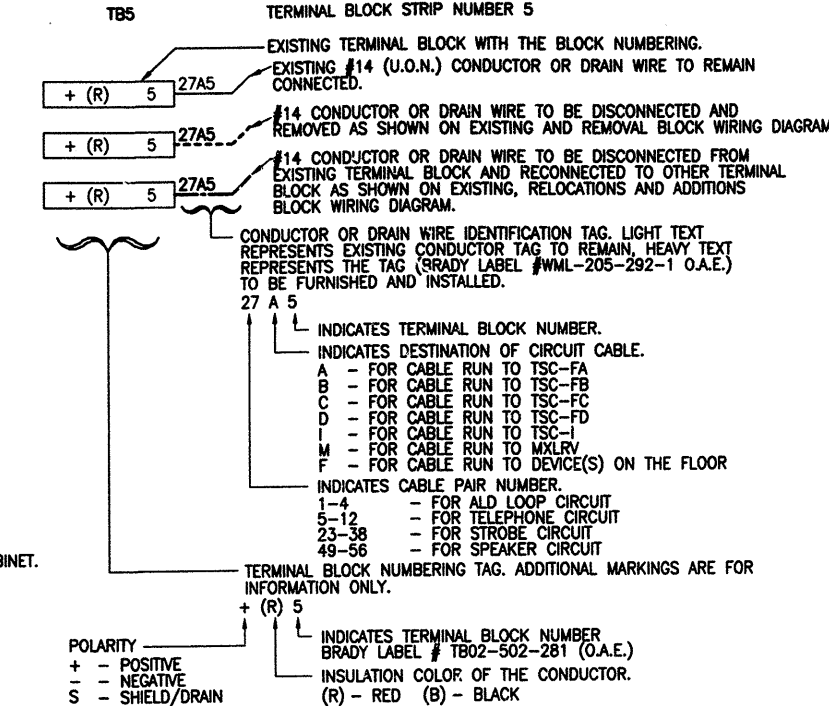


- APPLY LABEL TO OUTER JACKET OF CABLE. MAXIMUM OF 3" FROM STRIPPED END AS SHOWN. NOT TO BE COVERED BY OVERSIZED SHRINK.
- DETAIL APPLIES TO ALL CABLE TYPES.

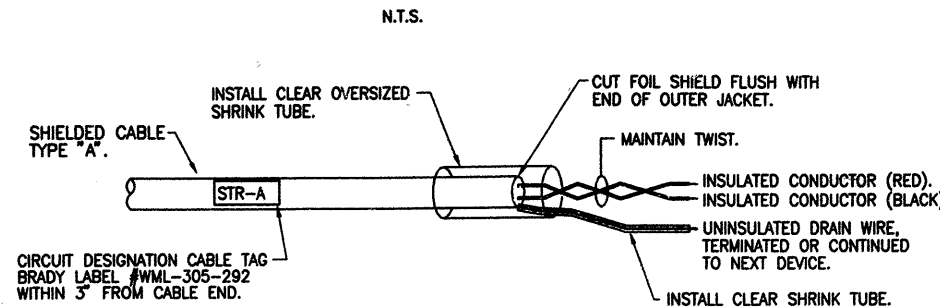
CIRCUIT LEGEND:

CIRCUIT DESIGNATION	CIRCUIT NUMBER OR NAME
STR-A	STROBE CIRCUIT
SPK	SPEAKER CIRCUIT
ALD	ALD LOOP DEVICE CIRCUIT (EXCEPT SMOKE DETECTOR)
TEL	TELEPHONE CIRCUIT
SD	SMOKE DETECTOR CIRCUIT
MPJ	MAINTENANCE PHONE JACK CIRCUIT
WP	WARDEN TELEPHONE CIRCUIT
SJ	STAND PIPE PHONE JACK CIRCUIT
A TO G	STROBE OR SPEAKER CIRCUIT NUMBER
ATC	CIRCUIT TO ADDRESSABLE TERMINAL STRIP CABINET
PS	CIRCUIT TO PULL STATIONS
ELEV	CIRCUIT TO ELEVATOR LOBBY AND ELEVATOR
IC	MACHINE ROOM SMOKE DETECTORS
IC	CIRCUIT TO HVAC SMOKE DETECTOR
IC	CIRCUIT TO OPEN AREA SMOKE DETECTOR
IC	INTERFACE CABINET CIRCUIT
TIB	TENANT INTERFACE BOX

TERMINATION LEGEND (EXISTING AND REMOVAL)



TYPICAL SHIELD/DRAIN INSULATING METHOD "A"



NOTES:

- FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
- ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE TYPICAL SHIELD/DRAIN INSULATING METHOD "A" ON THIS DWG.
- ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENS, SHORTS & STRAY VOLTAGES.
- ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
- DISCONNECT AND COMPLETELY REMOVE CABLES FROM BOTH ENDS. ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
- DISCONNECT AND COMPLETELY REMOVE CABLES FROM TSC CABINET. RECONNECT TO PAD-W-1 & PAD-W-2.
- DISCONNECT AND REMOVE FROM TSC CABINET, LEAVE COILED IN CEILING. MARK AS "UNUSED". ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

THE PORT AUTHORITY
OF NEW YORK & NEW JERSEY

ENGINEERING PROGRAM MANAGER
CHIEF ELECTRICAL ENGINEER

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. ~~WTC-861.573~~ IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 2/1/99
DATE 2/1/99

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD
TRADE
CENTER

ELECTRICAL

Title
FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
5 WTC 3rd, 4th, 5th & 6th FLOORS

3rd FLOOR TSC-M
BLOCK WIRING DIAGRAM
EXISTING AND REMOVAL

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN N. PALACIOS
Designed by Draw. by Checked by

NOVEMBER 26, 1999
Date

WTC-861.573
Contract Number Drawing Number

E-03-5